

What is claimed:

1. A female member of a snap fastener with tape comprising a female button made of synthetic resin which is integrally molded on front and back faces of the tape so as to hold a peripheral edge of an attachment hole of the tape having at least one attachment hole and which has an engaging opening to be engaged with a male button at a substantially center portion of the female button, wherein the female button has at least one mold hole extending in a front and back direction of the tape, at least one portion of the tape extends to an inside of the female button across the mold hole, at least one cut-out recessed in a diameter direction of the female button is defined in a portion of an inner peripheral engaging face of the engaging opening, and a gate burr is formed at a bottom face of the cut-out.

2. A female member of a snap fastener with tape according to claim 1, wherein the gate burr of the cut-out is formed substantially on a straight line connecting a center of the engaging opening and a center of the mold hole.

3. A male member of a snap fastener with tape comprising a male button made of synthetic resin which is integrally molded on front and back faces of the tape over a peripheral edge of an attachment hole of the tape having at least one attachment hole and has an engaging portion to be engaged with a female button at a substantially center portion of the male button,

wherein the male button has at least one mold hole extending in a front and back direction of the tape, at least one portion of the tape extends to an inside of the male button across the mold hole, the engaging portion has a neck portion standing from a center of a substrate closing the attachment hole and an engaging head continuous to an upper end of the neck portion, a recess having a bottom face in substantially the same plane as a plane including the attachment hole is formed on a surface of the substrate on an opposite side to the engaging portion, at least one wedge-shaped projecting rib extends from a projecting portion projecting from a center of the bottom face of the recess to reach substantially an outer periphery of the bottom face of the recess, a projecting end face of the projecting portion at the center of the bottom face of the recess is within the recess, and a sub runner fracture burr is formed on the projecting end face.

4. A male member according to claim 3, wherein the projecting rib radially extends from the projecting portion as a center.

5. A male member according to claim 3, wherein the projecting rib is disposed substantially on a straight line connecting a center of the projecting portion and a center of the mold hole.

6. A male member according to claim 3, wherein the engaging portion has at least one split groove, and the split

groove has an arc-shaped face at a bottom portion of the split groove and stepped plane faces facing each other and having two or more steps with a distance between the stepped plane faces increasing from the arc-shaped face toward an tip end of the engaging head.

7. A manufacturing method of a snap fastener with tape for integrally molding a male or female button made of synthetic resin on front and back faces of tape such that the male or female button holds a peripheral edge of an attachment hole of the tape having at least one attachment hole, comprising the steps of fixing the tape with the attachment hole in position between cavities of a fixed mold and a movable mold, closing the movable mold and clamping a tape portion of the peripheral edge of the attachment hole by at least a pair of clamping members projecting to face each other in the cavities of the molds, forming an introducing passage for introducing molten resin through a center portion of the attachment hole of the tape and at least one molten resin guide passage for supplying the molten resin radially or linearly from the introducing passage as a center toward the peripheral edge of the attachment hole, and injecting the molten resin into the cavity through the molten resin guide passage toward the peripheral edge of the attachment hole of the tape.

8. A manufacturing method according to claim 7, wherein a molten resin outlet portion of the molten resin guide passage

is directed to a position of the tape clamped by the clamping members.

9. A manufacturing method according to claim 7 or 8, wherein the snap fastener is a female member comprising the female button which has an engaging opening at a center portion of the female button and which is integrally molded on the tape, and the method further includes the steps of forming the molten resin outlet portion of the molten resin guide passage to project and open inside the cavity, forming the respective molten resin guide passage independently, and fracture removing a molded portion of the molten resin guide passage connected to a bottom portion of a cut-out formed by the molten resin outlet portion in a diameter direction of the female button in a portion of an inner peripheral engaging face of the engaging opening, by engaging the engaging portion of the male button with the engaging opening of the female button.

10. A manufacturing method according to claim 7 or 8, wherein the snap fastener is a male member comprising the male button which is in a substantially T-shape in section, and has an engaging portion to be engaged with the female button at a center portion of the male button, and which is molded integrally with the tape, and the method further includes steps of forming the introducing passage to directly open into a cavity face opposite to a cavity face for molding the engaging portion to form an opening, forming in the same opposite cavity face at

least one or more molten resin guide passage having at least one wedge-shaped recessed groove with an end communicating with the opening of the introducing passage and a tip end thereof directed to the peripheral edge of the attachment hole of the tape, forming the opening near a plane including the attachment hole of the tape, and fracturing and removing a molded portion of the introducing passage.

11. A mold of a snap fastener with tape for molding a male or female button made of synthetic resin integrally with front and back faces of tape such that the male or female button holds a peripheral edge of an attachment hole of the tape having at least one attachment hole, comprising a first mold, a second mold, a tape inserting passage formed in the mold, at least one snap fastener molding cavity formed in the tape inserting passage, at least one pair of clamping members projecting from such positions in the cavity that the clamping members can clamp the peripheral edge of the attachment hole of the tape and facing each other with a distance for clamping the tape kept therebetween, an introducing passage for introducing molten resin from a center portion of the attachment hole of the tape, and at least one molten resin guide passage formed to extend radially or linearly from the introducing passage as a center toward the peripheral edge of the attachment hole.

12. A mold according to claim 11, wherein a molten resin outlet portion of the molten resin guide passage faces a position

of the tape clamped by the clamping members.

13. A mold according to claim 12, wherein the snap fastener is a female member comprising the female button which has an engaging opening at a center portion of the female button and is molded integrally with the tape, the molten resin guide passage is formed independently, the molten resin outlet portion has an opening projecting into the cavity, and the opening is a pinpoint gate.

14. A mold according to claim 11 or 12, wherein the snap fastener is a male member comprising the male button which has an engaging portion to be engaged with a female member at a center portion of the male button, has a substantially T-shape in section, and is molded integrally with the tape, the introducing passage directly opens into a cavity face opposite to a cavity face for molding the engaging portion to form an opening, an end of the molten resin guide passage communicates with the opening of the introducing passage, a tip end of the molten resin guide passage comprises at least one wedge-shaped recessed grooves directed to the peripheral edge of the attachment hole of the tape, the opening is formed at a position near a plane including the attachment hole of the tape, and the introducing passage is in a shape of a beheaded cone.